

REMARKS

Independent claims 13 and 44 are amended as requested by the Examiners during a telephone interview on 26 January 2011. Support for recitation of the term “service feature data” in the preamble and in subsequent paragraphs of these two claims is set forth in lines 21, 22 of prior claim 44.

Interview

The courtesy of Examiners Amanuel Lebassi and Nick Corsaro in holding a telephone interview on 26 January 2011 with Applicant’s attorney, Edward W. Callan, is sincerely appreciated. During the interview, Applicant’s attorney explained that some of the subject matter of claim 13 was not suggested by the cited references. The Examiners requested that claim 13 be amended (1) to recite the type of data that is assigned to a subscriber account, (2) to clarify whether the assigned data is transmitted to “additional” terminals or to “multiple” terminals assigned to this subscriber, and (3) to rewrite the last paragraph to more particularly point out the various functions recited therein. No agreement was reached as to the allowability of any of the claims.

Claim Rejections - 35 U.S.C. 103

The rejection of claims 13-45 under 35 U.S.C. 103(a) as being unpatentable over Sawyer WO 9417644 in view of Foladare et al. US 6,014,549 and in further view of US 6,013,549 (Lautenschlager) is respectfully traversed for at least the following reasons:

1. Regarding lines 4-6 of claim 13, the claim limitation of transmitting assigned service feature data, entirely or in part, approximately synchronously to additional terminals assigned to a subscriber or identification chips connected thereto is neither taught nor suggested by Sawyer. That cited portion of Sawyer cited by the Examiner, page 3, lines 11-16 (Applicant reads “col.” as --page-- in the Action), states: “When a call is received by the HLR to which that directory number is assigned, a paging message is sent to each MSC within which each of the extension phone mobile stations is shown to be located within the records of the HLR.”

The cited portion of Sawyer does not teach that *assigned service feature data is transmitted* from the HLR (Home Location Register) or MSC (Mobile Switching Center) to the mobile stations.

2. Regarding lines 10-11 of claim 13, the claimed limitation of assigning service feature data to at least one subscriber profile that can be changed by the subscriber via a central administration function

is neither taught nor suggested by Sawyer at page 3, lines 32 – page 4, line 4. The cited portion of Sawyer merely states:

“A call received at an exchange is directed to the subscriber number with which a plurality of mobile stations are associated. A list of parameters is maintained in a database which identifies each mobile station associated with the subscriber number and the exchange within which each of the mobile stations is believed to be currently located”

The cited portion of Sawyer does not teach that the *subscriber profile can be changed by the subscriber*.

In addition, Sawyer not only is silent about assigning service feature data to at least one subscriber profile that can be changed by the subscriber via a central administration function, but also is silent about assigning service feature data to at least one subscriber profile that can be changed by the subscriber at the terminal via a central administration function.

3. Regarding lines 13-23 of claim 13, the claimed limitations of

“this profile change acts synchronously on the service features of other terminals or identification chips connected thereto assigned to this subscriber that are stored in the network” and

“enabling the subscriber to activate the telecommunications network service features associated with a terminal assigned to this subscriber or with the identification chip connected to said terminal by using said terminal and conventional functions so that when the profile of the terminal assigned to this subscriber is queried during the paging step this profile is applied in selecting the

active paging terminal when paging is being done to one or more of the connected terminals”

are neither taught nor suggested by Sawyer at page 10, lines 28 – page 11, line 1. The cited portion of Sawyer merely states:

“In the present system, a home location register maintains location data independently for each mobile station within a group of mobile stations assigned to the same directory number. Upon receipt of a call to be transmitted to that directory number, the interrogation exchange requests the MSCs identified in the HLR location data corresponding to the believed current location of each mobile station to page each mobile station in accordance with its MIN/ESN.”

Sawyer fails to teach the following features of this claim limitation:

- the profile change by a subscriber at a terminal assigned to the subscriber “*acts synchronously on the service features of other terminals* or identification chips connected thereto assigned to this subscriber that are stored in the network,”
- the subscriber is able “to activate telecommunications network service features,” and
- when the profile of the terminal “is queried during the paging step this profile is applied in selecting the active paging terminal.”

4. Regarding lines 16-18 of prior claim 13, the Examiner admits that Sawyer is silent on where the terminal is queried during the paging step. The relevant portion (lines 21-23) of currently amended claim 13 recites:

“so that when the profile of the terminal assigned to this subscriber is queried during the paging step this profile is applied in selecting the active paging terminal when paging is being done to one or more of the connected terminals.”

Regarding this limitation, the Examiner asserts that Foladare teaches where the terminal is queried during the paging step at column 16, lines 57-63, which states:

“To generate such an indication, the paging service, on its own, or in response to a request from the network, may periodically query the pager using a page to which the two-way pager must automatically respond . . .”

It is not seen where Foladare teaches that the *subscriber profile* (stored in a central database) is queried during the paging step.

The limitations of currently amended claim 13 discussed above in parts 1-4 are also recited in currently amended claim 44.

Claims 14-43 depend from claim 13 and claim 45 depends from claim 44 and thereby are believed to be allowable for at least the same reasons as discussed above regarding claim 13.

5. Regarding claim 14, it is submitted that the cited portions of Sawyer do not disclose claimed limitation of

at least one network function being assigned to each terminal of the subscriber. The Examiner asserts that Sawyer discloses this limitation at page 3, lines 9-11, which states:

“In one aspect, the present invention provides the assignment of a single directory number to two or more mobile stations each having different MINs.”

The cited portion of Sawyer does not support the Examiner’s assertion because a MIN (Mobile Identification Number) is not a network function or application but an attribute of a mobile station. A network function or application in the context of the present application is MMS, E-Mail, SMS, or the Internet.

6. Regarding dependent claims 15 and 45, the Examiner asserts that Sawyer discloses at page 3, lines 16-21, the claimed limitation of

“...wherein the paging number can be different for different network functions/applications.”

The cited portion of Sawyer states:

“The mobile stations are pages in each MSC. The call is routed to the MSC within which the first mobile station to respond to the page is located and the call completed to that station whether or not it is the only station responding or the first of a plurality of stations which may respond.”

The cited portion of Sawyer fails to disclose that the individual paging number of a subscriber terminal can be different for different network functions/applications, for example, the Short Message Service having a different paging number than the E-Mail Service.

7. Regarding claims 17-19, the Examiner asserts that Sawyer at page 3, lines 11-16 discloses the claimed limitations of

“determining the subscriber’s contact information and the subscriber profile in a mobility/profile database when a message arrives; translating the number sought from the common number to a terminal-specific paging number in the central SS7 routing function; and sending the message out to the corresponding paging number.”

The cited portion of Sawyer states:

“When a call is received by the HLR to which that directory number is assigned, a paging message is sent to each MSC within which each of the extension phone mobile stations is shown to be located within the records of the HLR.”

The Examiner’s assertion is not supported by the cited portion of Sawyer because Sawyer fails to disclose determining the subscriber’s *subscriber profile in a mobility/profile database*.

8. Regarding lines 2-3 of claim 20, the Examiner asserts that Sawyer at page 3, lines 13-16 (quoted above in part 7) discloses the claimed limitation of

“determining the subscriber’s contact information and the subscriber profile in a mobility/profile database when a message arrives.”

The Examiner’s assertion is not supported by the cited portion of Sawyer because Sawyer fails to disclose determining the subscriber’s *subscriber profile in a mobility/profile database*.

9. Regarding claims 21-25, Sawyer fails to teach at page 3, line 35 – page 4, line 4, the claimed limitation of

“making a delivery status entry in a mobility/profile database in connection with the paging number.”

The cited portion of Sawyer states:

“A list of parameters is maintained in a database which identifies each mobile station associated with the subscriber number and the exchange within which each of the mobile stations is believed to be currently located”

The cited portion of Sawyer fails to teach making a *delivery status entry* in a mobility/profile database in connection with the paging number.

10. Regarding claims 26–30, Sawyer fails to teach, at page 5, lines 6-12, the claimed limitation of

“the changes made by the subscriber are copied to a central routing database, to mobility/profile databases, and to swapped databases.”

The cited portion of Sawyer states:

“A call routing decision is made in accordance with predetermined criteria in response to the receipt of more than one page response from the paged mobile stations and the call is routed from the interrogation exchange to one of the plurality of the mobile stations in accordance with call routing decision.”

The cited portion of Sawyer fails to teach that the changes made by the subscriber are copied to a *central routing database, to mobility/profile databases, and to swapped databases*.

11. Regarding claims 31-37, Sawyer fails to teach in Fig. 5, the claimed limitation of “setting up whitelisting databases for one-time activation/deactivation of the method by writing call number lists into a central routing database or writing operation codes into the central routing database, depending on the configuration of the network.”

12. Regarding claims 38-41, Sawyer fails to teach the claimed limitations of “executing, each time a query is made at the central SS7 routing function, a whitelisting function using a whitelisting database; and performing a check to see whether any translation of the common number to the paging number can occur.”

13. Regarding claims 42 and 43, Sawyer fails to teach in Fig. 3, the claimed limitation of

"changes to the paging terminal determined by the subscriber resulting in signaling of a simulated successful delivery such that all outstanding, waiting paging messages are forced to the new paging terminal as fast as possible and such that the paging step is repeated approximately synchronously for outstanding messages."

Conclusion

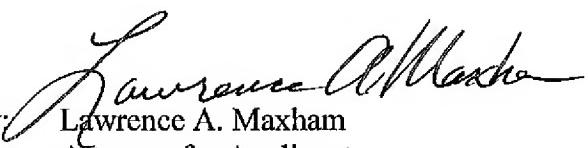
Entry of this amendment is requested because this amendment will place the application in condition for allowance. The amendment of independent claims 13 and 44 to recite that the assigned data is "service feature data" should not necessitate a further search because prior claim 13 recited that the data is assigned to at least one subscriber profile and that the profile change acts on the service features of other terminals assigned to the subscriber further, and prior claim 44 recited "service feature data assigned to individual subscribers" in line 21.

Reconsideration and allowance of the claims are respectfully requested. Should any issues remain unresolved Examiner Lebassi is invited to contact the undersigned attorney.

Respectfully submitted,

The Maxham Firm
A Professional Corporation
9330 Scranton Road, Suite 350
San Diego, California 92121
Telephone: (858) 587-7659
Facsimile: (858) 587-7658

Thomas DENNERT et al.

By: 
Lawrence A. Maxham
Attorney for Applicant
Registration No. 24,483